



AC92-A-11

Volume 1 GEOGRAPHIC AREA SERIES

Part 11

Hawaii

State and County Data



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Introduction

HISTORY

The 1992 Census of Agriculture is the 24th taken by the U.S. Department of Commerce, Bureau of the Census. The first agriculture census was taken in 1840 as part of the sixth decennial census of population. From 1840 to 1950, an agriculture census was taken as part of the decennial census. A separate mid-decade census of agriculture was conducted in 1925, 1935, and 1945. From 1954 to 1974, a census of agriculture was taken for the years ending in 4 and 9. In 1976, Congress authorized the census of agriculture to be taken for 1978 and 1982 to adjust the data reference year so that it coincided with the economic censuses covering manufacturing, mining, construction, retail trade, wholesale trade, service industries, and selected transportation activities. This adjustment in timing established the agriculture census on a 5-year cycle collecting data for years ending in 2 and 7.

USES OF THE CENSUS

The census of agriculture is the leading source of statistics about the Nation's agricultural production and the only source of consistent, comparable data at the county, State, and national levels. Census statistics are used by Congress in developing and changing farm programs and for determining the effects of these programs. Many national and State programs are designed or allocated on the basis of census data, such as funds for extension services, research, and soil conservation projects. Private industry uses census statistics to provide a more effective production and distribution system for the agricultural community.

AUTHORITY AND AREA COVERED

The census of agriculture is required by law under Title 13, United States Code, sections 142(a) and 191, which directs that a census be taken in 1979, 1983, and in every fifth year after 1983, covering the prior year. The 1992 census includes each State, Puerto Rico, Guam, and the Virgin Islands of the United States.

FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes first were established, the farm definition has been changed nine times. The current definition, first used for the 1974 census, is any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year. The farm definition used for the outlying areas varies according to area. The report for each area includes a discussion of its farm definition.

COMPARABILITY OF DATA

Data on acreages and inventories for 1992 and 1987 are generally comparable. Dollar figures shown for expenses and agricultural product sales are expressed in current dollars and have not been adjusted for inflation or deflation. In general, data for censuses since 1974 are not fully comparable with data for 1969 and earlier censuses due to changes in the farm definition.

TABULAR PRESENTATION

State data. Tables 1 through 45 in chapter 1 show detailed State-level data usually accompanied by historical data for one or more past censuses. Tables 46 through 52 provide 1992 State data cross-tabulated by various farm classifications.

County data. Chapter 2 presents selected data items by county. Tables 1 through 17 include general data for all counties. The counties are listed in alphabetical order in the column headings. Tables 18 through 39 include only counties reporting the data item. Counties not having the item, or with a limited number of farms reporting the item, have data combined and presented as "all other counties."

SPECIAL TABULATIONS

Custom designed tabulations can be developed to individual user specifications on a programming cost reimbursable basis. Inquiries about special tabulations should be directed to the Chief, Agriculture Division, Bureau of the Census, Washington, DC 20233.

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CENSUS DISCLOSURE RULES

In keeping with the provisions of Title 13, United States Code, no data are published that would disclose the operations of an individual farm. However, the number of farms in a given size category or other classification is not considered a release of confidential information and is provided even though other information is withheld.

INVENTORIES, PRODUCTION, AND SALES DATA

Inventories of livestock, poultry, and machinery and equipment are measured as of December 31 of the census year. Crop and livestock production, sales, and expense data are for the calendar year, except for a few crops (such as citrus) for which the production year overlaps the calendar year.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

- Represents zero.
- (D) Withheld to avoid disclosing data for individual farms.
- (H) Standard error or relative standard error of estimate is greater than or equal to 99.95 percent.
- (IC) Independent city.
- (L) Standard error or relative standard error of estimate is less than .05 percent.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate or a consistency review.
- (X) Not applicable.
- (Z) Less than half of the unit shown.
- cwt Hundredweight.
- sq ft Square feet.

A. Highlights of the State's Agriculture: 1992 and 1987

[Dollar figures are in current dollars with no adjustment for price changes. For meaning of abbreviations and symbols, see introductory text]

		All farms		
ltem		1992	1987	Percent change from 1987 to 1992
FarmsLand in farms		5 336	4 870	9.6 -7.7
Average size of farm		1 588 843 298	1 721 521 353	-7.7 -15.6
Estimated market value of land and buildings 1: Average per farm	dollars dollars	722 189 2 425	603 435 1 707	19.7 42.1
Estimated market value of all machinery and equipment 1: Average per farm	dollars	53 207	41 208	29.1
Farms by size: 1 to 9 acres 10 to 49 acres 50 to 179 acres 180 to 499 acres 500 to 999 acres 1,000 to 1,999 acres 2,000 acres or more		3 410 1 342 313 133 34 31 73	2 855 1 401 341 128 31 36 78	19.4 -4.2 -8.2 3.9 9.7 -13.9 -6.4
Total cropland	acres	4 735 293 371 4 472 136 431	4 170 327 396 3 837 152 719	13.5 -10.4 16.5 -10.7
Irrigated land	farms acres	2 220 134 338	1 827 148 884	21.5 -9.8
Market value of agricultural products sold Average per farm	\$1,000 dollars	552 054 103 458	609 741 125 203	-9.5 -17.4
Crops, including nursery and greenhouse crops	\$1,000 \$1,000	453 410 98 644	498 317 111 424	-9.0 -11.5
Farms by value of sales: Less than \$2,500 \$2,500 to \$4,999 \$5,000 to \$4,999 \$10,000 to \$24,999 \$25,000 to \$49,999 \$50,000 to \$49,999 \$100,000 to \$249,999 \$250,000 to \$49,999 \$500,000 or \$49,999 \$500,000 or \$49,999		1 790 754 715 863 484 291 221 105	1 402 674 745 911 476 287 195 83	27.7 11.9 -4.0 -5.3 1.7 1.4 13.3 26.5 16.5
Total farm production expenses ¹	\$1,000 dollars	466 826 87 486	495 759 101 840	-5.8 -14.1
Net cash return from agricultural sales for the farm unit (see text) 1	\$1,000	5 336 85 228 15 972	4 869 113 904 23 394	9.6 -25.2 -31.7
Operators by principal occupation: FarmingOther		2 926 2 410	2 816 2 054	3.9 17.3
Operators by days worked off farm: Any		2 864 1 487	2 728 1 476	5.0 .7
Livestock and poultry: Cattle and calves inventory	farms number	874 191 230	1 003 211 045	-12.9 -9.4
Beef cows	number	655 87 620 57 10 816	724 83 427 73 11 836	-9.5 5.0 -21.9 -8.6
Cattle and calves sold	farms	699 82 788	807 101 315	-13.4 -18.3
Hogs and pigs inventory		253 28 570	372 47 564	-32.0 -39.9
Hogs and pigs sold		200 47 831	307 69 019	-34.9 -30.7
Sheep and lambs inventory		62 22 938	42 21 908	47.6 4.7
Chickens 3 months old or older inventory	farms number	177 935 278	181 (D)	-2.2 (D)
Broilers and other meat-type chickens sold		14 1 201 331	12 2 069 316	16.7 -41.9
Selected crops harvested: Sugarcane for sugar	acres	31 62 915	79 79 234	-60.8 -20.6
Pineapples harvested	acres tons	5 488 214 21 15 500 556 748	7 934 181 18 22 262 683 182	-30.8 16.7 -30.4 -18.5
Vegetables harvested for sale (see text)		602 5 129	710 5 587	-15.2 -8.2
Land in orchards		2 537 38 590	2 128 33 564	19.2 15.0

¹Data are based on a sample of farms.

B. Highlights of the State's Agriculture: 1992 and 1987 (Metric Measurement)

[1 acre = 0.4047 hectare. For further metric conversions, see metric conversion table in appendix E. Dollar figures are in current dollars with no adjustment for price changes. For meaning of abbreviations and symbols, see introductory text]

No.		All farms		
Item	1992	1987	Percent change from 1987 to 1992	
Farms	643 005	4 870 696 700 143	9.6 -7.7 -15.4	
Estimated market value of land and buildings 1: Average per farm	722 189 2 425	603 435 1 707	19.7 42.1	
Estimated market value of all machinery and equipment 1: Average per farmdollarsdollars	53 207	41 208	29.1	
Farms by size: .01 to 3.84 hectares .3.85 to 20.04 hectares .20.05 to 72.67 hectares .20.25 to 40.465 hectares .20.23 to 40.465 hectares .404.66 to 809.51 hectares .809.52 hectares or more	1 342 313 133 34 34 31	2 855 1 401 341 128 31 36 78	19.4 -4.2 -8.2 3.9 9.7 -13.9 -6.4	
Total cropland	118 727 4 472	4 170 132 497 3 837 61 805	13.5 -10.4 16.5 -10.7	
Irrigated land farms_hectares		1 827 60 253	21.5 -9.8	
Market value of agricultural products sold\$1,000\$1,000		609 741 125 203	-9.5 -17.4	
Crops, including nursery and greenhouse crops\$1,000\$1,000\$1,000\$1,000\$1,000\$1,000\$1,000\$1,000\$1,000	453 410 98 644	498 317 111 424	-9.0 -11.5	
Farms by value of sales: Less than \$2,500 \$2,500 to \$4,999 \$5,000 to \$9,999 \$25,000 to \$49,999 \$25,000 to \$49,999 \$50,000 to \$49,999 \$100,000 to \$249,999 \$250,000 to \$49,999 \$250,000 to \$49,999	754 715 863 484 291 221	1 402 674 745 911 476 287 195 83 97	27.7 11.9 -4.0 -5.3 1.7 1.4 13.3 26.5 16.5	
Total farm production expenses 1,000	466 826 87 486	495 759 101 840	-5.8 -14.1	
Net cash return from agricultural sales for the farm unit (see text) 1 farms\$1,000	85 228	4 869 113 904 23 394	9.6 -25.2 -31.7	
Operators by principal occupation: Farming Other		2 816 2 054	3.9 17.3	
Operators by days worked off farm: Any	2 864 1 487	2 728 1 476	5.0 .7	
Livestock and poultry: Cattle and calves inventoryfarms	191 230 655 87 620 57	1 003 211 045 724 83 427 73 11 836	-12.9 -9.4 -9.5 5.0 -21.9 -8.6	
Cattle and calves sold	699 82 788 253 28 570 200 47 831 62 22 938 177 935 278	807 101 315 372 47 564 307 69 019 42 21 908 181 (D) 12 2 069 316	-13.4 -18.3 -32.0 -39.9 -34.9 -30.7 47.6 4.7 -2.2 (D) 16.7 -41.9	
Selected crops harvested: Sugarcane for sugar	25 462 4 978 825 21	79 32 066 7 197 770 18 9 009	-60.8 -20.6 -30.8 16.7 -30.4	
Vegetables harvested for sale (see text) metric tons. Land in orchards for sale (see text) fectares. hectares. hectares.	505 073 602 2 076 2 537	619 772 710 2 261 2 128 13 583	-30.4 -18.5 -15.2 -8.2 19.2 15.0	

¹Data are based on a sample of farms.